

## CLAIMS

1. An engine control system in a vehicle comprising:
  - a diesel engine in the vehicle;
  - a diesel fuel tank for supplying fuel to the diesel engine;
  - a gasoline tank in the vehicle;
- 5 a reformer for providing partial oxidation products from gasoline contained in said gasoline tank;
  - a NOx trap coupled to the exhaust of said diesel engine.
2. The engine control system of Claim 1 wherein said NOx trap includes a three-way catalyst.
3. The engine control system of Claim 1 wherein said NOx trap is regenerated by said partial oxidation products.
4. The engine control system of Claim 1 wherein said partial oxidation products include carbon monoxide, hydrogen, or nitrogen.
5. A method of controlling a diesel engine comprising:
  - providing a diesel fuel tank;
  - providing a gasoline fuel tank;
  - providing a gasoline reformer;
  - 5 providing a NOx trap;
  - generating partial oxidation products using said gasoline reformer;
  - and
  - regenerating said NOx trap with said partial oxidation products.

6. A method of controlling a diesel engine comprising:  
5       supplying gasoline to a partial oxidation reformer to generate  
reformate; and  
introducing the reformate into the diesel engine.

7. The method of Claim 6 where in the reformate comprises  
hydrogen.

8. The method of Claim 6 wherein the reformate comprises carbon  
monoxide.

9. The method of Claim 6 wherein the reformate comprises  
hydrocarbons.